IF YOU TALK ABOUT IMMUNOCHEMICALS— WE WILL UNDERSTAND YOU!

各种免疫试验用品应有尽有 אם אתה שדבר גל אישונוכישיקלים - אכחנו נבין אותך!

We speak English, French, Chinese, Hebrew and Swahili, but mostly we speak Immunochemicals, and that is the language we speak best.

Does it seem strange that our goats graze the hills leading to Jeruselem and yet if we don't leave the rabbit houses before 4:30 p.m., we get caught in the five o'clock rush back to the lab in Kankakee? Strange, perhaps, but our animals are certainly productive! Jointly, Miles-Yeda, Rehovot, Israel, and Miles Research Division, Kankakee, Illinois, produce over 150 different antisera, immunodiffusion plates, immunochemical kits and immunoadsorbents.

We find our international environment stimulating. too. Our involvement with the Weizmann Institute of Science (we are right on the campus) plus the technological advances made at our Kankakee labs provide insight and background to produce the products you need.

We invite your questions, comments or suggestions. Again, we don't care what the accent is—if you speak Immunochemicals, we will understand you.

Reach us by phone in the U.S.A. at 815 939-4417, or in Israel at 03 95-29-22, or by letter through any of our offices listed.

Ask for P. K. or Tsvi.

Dr. P. K. Chung Dr. T. Hirshfeld



ADVERTISING RATES

Cover and
Special Positions £90
Full Page £70
Half Page £40
Quarter Page £25

Agency Commission 10% Publisher's Discount 10%

All communications regarding advertising matters should be addressed to:

Advertisement Section, Biochemical Society, 7 Warwick Court, London, WC1R 5DP

Telephone: 01-242 1076 (4 lines)

THE BIOCHEMICAL JOURNAL

LIPID ANALYSIS

William W Christie

Hannah Research Institute, Ayr

352 pages 53 illustrations October 1973 £6.00 hard cover

This book critically examines the literature and brings together in a systematic manner the best of the procedures that have been developed for separating, identifying and determining lipid classes and their component parts.

Newcomers will find this book a useful guide through the potential complexities of lipid analysis, and experts in the field will find it a valuable reference work.



Automated Analysis of Drugs and Other Substances of Pharmaceutical Interest

Edited by C. T. Rhodes, BPharm, PhD, FRIC, MPS and R. E. Hone, BPharm, MPS

The editors of this book are convinced that the development and use of automation in the field of quantitative drug analysis is inevitable in the very near future. The twelve contributors are experienced research scientists; their practical advice will consequently be of special value to scientists considering conversion from manual to automated methods.

1973 300 pp., illustrated 0 407 11151 4 cased £5.95 0 407 11150 6 limp £3.95

Drugs in Anaesthetic Practice4th Edition

F. G. Wood-Smith, MA, MB(Cantab), FFARCS.; M. D. Vickers, MB, BS(Lond), FFARCS; and H. C. Stewart, MA, MD(Cantab), PhD(Lond), FRCP, FFARCS

This is the only medium-sized book which covers the whole of this subject and gives not only the theoretical background and science, but also actual practical help on specific drugs and therapeutic problems. It has been thoroughly revised, and some sections have been completely rewritten. The major part of the book deals with various classes and groups of drugs, and a complete grounding in basic physical chemistry and physiological regulation is included.

1973 650 pp., illustrated

0 407 15502 3 £6.50

Obtainable from booksellers or from

The Butterworth Group

88 Kingsway, London WC2B 6AB Showroom: 4-5 Bell Yard, WC2



Hoppe-Seyler's Zeitschrift für Physiologische Chemie

Editors in Chief

A. BUTENANDT • F. LYNEN • G. WEITZEL

Subscription Rates
For one volume (12 parts) DM 420,—

Vol. 354 No. 6

Contents

June 1973

Regulation of transcription and translation in eukaryotes (Abstracts)

24. Mosbacher Kolloquium der Gesellschaft für Biologische Chemie

The chemical structure of the nucleus as the basis of its function (Abstracts)

17. KONFERENZ DER GESELLSCHAFT FÜR BIO-LOGISCHE CHEMIE

The effect of a non-peptide interchain crosslink on the reoxidation of reduced insulin

D. Brandenburg and A. Wollmer

Proliferation and energy metabolism of Ehrlich ascites tumor cells in a glucose-free medium

H. P. KRAUSE and FR. SCHNEIDER

On the mechanism of ketogenesis and its control, I: On a possible role of acetylaceto-CoA thiolase in the control of ketone body production

W. HUTH, C. DIERICH, V. V. OEYHAUSEN and W. SEUBERT

Chlorination of the cystine- and tyrosine peptides from the C-terminus of insulin A-chain

S. Stoev, B. Aleksiev and A. Valkova

Preparative isolation of disc-electrophoretically pure components of hordein

K. KLING

Studies on polypeptides, IV. The synthesis of C-peptide of human proinsulin

V. K. NAITHANI

A combination of micro-disc electrophoresis with antigen-antibody crossed electrophoresis (identification and quantitative determination of individual serum proteins)

W. GIEBEL and H. SAECHTLING

Contents of deoxyribonucleoside triphosphates in Yoshida ascites tumor cells

E. LISS, S. BRAMMER and H. SCHMIDT

SHORT COMMUNICATION Crystallisation of the hemoglobin of carp (Cyprinus carpio)

T. KLEINSCHMIDT, B. GRUJIC-INJAC and G. BRAUNITZER

Indexed in Current Contents



Walter de Gruyter · Berlin · New York

DNA Polymerase I

(EC 2.7,7.7)

Boehringer Mannheim have DNA Polymerase I that you can rely upon in every way. For convenience of use the enzyme is supplied in 50% glycerol in a polypropylene vial that can be kept happily at -20°C during shipment and storage.

Our Grade I preparation with a specific activity of 2500-5000 U/mg¹ corresponds to stage 7 of the Jovin et. al. preparation². Before it leaves our Research Laboratories in Tutzing it undergoes exacting quality control procedures including SDS disc-electrophoresis which shows just-one heavy and a few very faint bands. A fragment of the DNA Polymerase I enzyme—Enzyme A according to Klenow³ is the latest addition to our range. It has a molecular weight of only 75,000, as opposed to 109,000 for the DNA Polymerase I, due to the removal by proteolytic activity of the 5'→3' Exonuclease.

References

- 1. Richardson, J. Biol. Chem. 239, 222 (1964).
- 2. Jovin et al, J. Biol. Chem. 244, 2996 (1969). 3. Klenow, H. et al, Proc. Nat. Acad. Sci. 65, 168 (1970)

DNA Polymerase I Grade I

DNA Polymerase is no exception to the Boehringer Mannheim dictum, that for each enzyme its own substrate, co-factor and inhibitor is supplied. Examples from the range of complimentary blochemicals available for DNA Polymerase I are deoxytriphosphates including 5.—bromo dUTP, Nalidixic acid and Polyd (G-C).—Analytical specifications and applications for these and the complete range of our biochemicals for Molecular Biology and Structural Studies are in these illustrated.

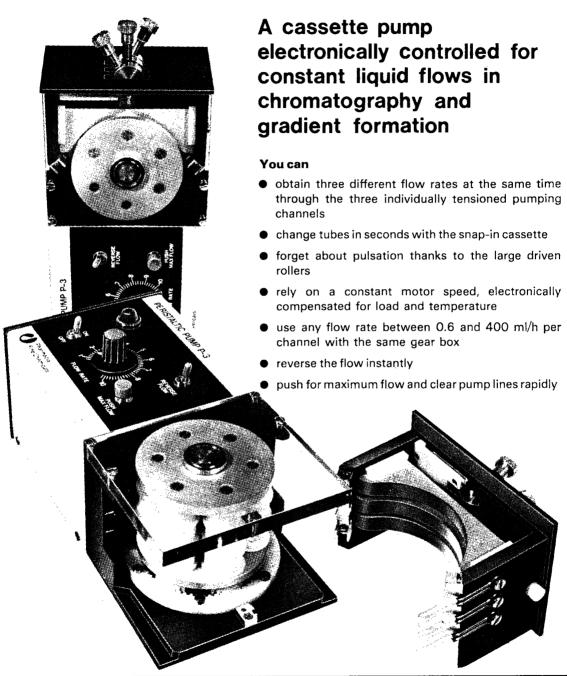


Please write or telephone for your own personal copy to:

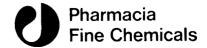
The Boehringer Corporation (London) Ltd., Bilton House, Uxbridge Road, London, W5 2TZ

Tel: 01-579 6944 (5 lines).

Pharmacia Peristaltic Pump P-3

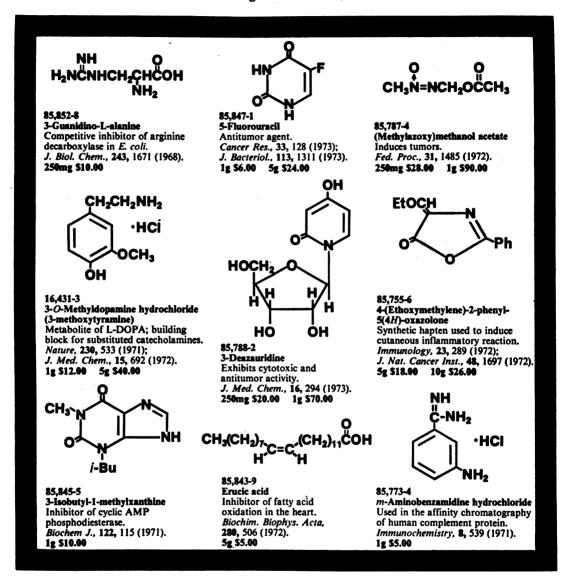


Pharmacia (Great Britain) Ltd. Paramount House 75 Uxbridge Road EALING LONDON W5 5SS



Ideas that cannot wait

Since publishing our first *Handbook of Biochemicals*, we have added many new and interesting biochemicals, some of which are too exciting to await our second handbook.



Aldrich Chemical Company, Inc.

Craftsmen in Chemistry



Home Office: Aldrich Chemical Co., Inc. 940 W. St. Paul Ave. Milwaukee, Wisconsin 53233 In Great Britain: Ralph N. Emanuel Ltd. 264 Water Rd., Wembley Middx., HAO 1PY. England In Continental Europe: Aldrich-Europe B-2340 Beerse, Belgium In Germany: EGA-Chemie KG 7924 Steinheim am Aibuch Germany